* SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation elma clean 85 (EC 85)

Unique Formula Identifier UFI: C630-W09S-900Q-99R8

Product category PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal products)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of uses [SU]
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

Process categories [PROC]
PROC8a Transfer of substance or mixture (charging and discharging) at non- dedicated facilities
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC13 Treatment of articles by dipping and pouring

Environmental release categories [ERC]
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Product Categories [PC]
PC35 Washing and cleaning products

Use of the substance/mixture
Neutral cleaning concentrate.

1.3 Details of the supplier of the safety data sheet

Supplier
Elma Schmidbauer GmbH
Gottlieb-Daimler-Str. 17
D-78224 Singen (Htwl.)
Telephone +49 7731 882-0
Telefax +49 7731 882-266
E-mail info@elma-ultrasonic.com
Website www.elma-ultrasonic.com

Department responsible for information:
Chemie/Labor: Email: chemlab@elma-ultrasonic.com

* 1.4 Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg (Sprache/Language: DE, EN) +49 761 19240

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Remark
The product is not classified as dangerous according to Regulation (EC) 1272/2008 [GHS].
Classification procedure for skin corrosion/irritation: On basis of test data.
Classification procedure for serious eye damage/eye irritation: On basis of test data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.

Other labelling
Labelling for contents according to regulation (EC) No. 648/2004:
15 - 30% anionic surfactants
< 5% non-ionic surfactants
2-Bromo-2-nitropropane-1,3-diol (~42 ppm)

*** 2.3 Other hazards**

* **Adverse human health effects and symptoms**
The product does not contain any substances with endocrine-disrupting properties >=0.1%.

* **Adverse environmental effects**
Aquatic Acute 3 H402: Harmful to aquatic life.
The product does not contain any substances with endocrine-disrupting properties >=0.1%.

Results of PBT and vPvB assessment
The product does not contain any PBT-/vPvB-substances according to the recipe.

* SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

* 3.2 Mixtures

Hazardous ingredients

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
34590-94-8	252-104-2		(2-methoxymethylethoxy)-propanol	5 - 15 weight-%		
	932-051-8		Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	5 - 12 weight-%	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	
68891-38-3	500-234-8		Alcohols, C12-14, ethoxylated, sulfates, sodium salts	5 - 12 weight-%	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	Eye Dam. 1;H318: C>=10% Eye Irrit. 2;H319: 5%<=C<10%
26027-37-2			Oleic acid monoethanolamide, ethoxylated	< 5 weight-%	Skin Corr. 1B; H314 Eye Dam. 1; H318	

REACH No.	Substance name
01-2119450011-60	(2-methoxymethylethoxy)-propanol
01-2119565112-48	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid
01-2119488639-16	Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Not relevant (polymer).	Oleic acid monoethanolamide, ethoxylated

Additional information
Aqueous concentrate from anionic and nonionic surfactants, complexing agent and solvent.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following skin contact
In case of contact with skin wash off immediately with plenty of water.

After eye contact
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion
Do NOT induce vomiting.
If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
No further informations available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No further informations available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water
alcohol resistant foam
ABC-powder
Gaseous fire-extinguishing substance
Carbon dioxide (CO_2)

Unsuitable extinguishing media
none

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
In case of fire formation of dangerous gases possible.
In the event of fire the following can be released:
Nitrogen oxides (NOx)
Carbon monoxide
Sulphur dioxide (SO_2)

5.3 Advice for firefighters

Special protective equipment for firefighters
Do not inhale explosion and combustion gases.

Additional information
The product itself does not burn.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Use personal protection equipment.
Special danger of slipping by leaking/spilling product.

For emergency responders
Personal protection equipment
Use personal protection.
Forms slippery surfaces with water.
Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment
Suitable material for taking up:
Sand
Sawdust
Universal binder
Kieselguhr
Flush away residues with water.
After taking up the material dispose according to regulation.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures
Take the usual precautions when handling with chemicals.
Avoid contact with eyes and skin.
The product is not combustible.

Advices on general occupational hygiene
Make available sufficient washing facilities

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep/Store only in original container.
Keep container tightly closed.

Further information on storage conditions
Keep locked up and out of reach of children.
Protect from heat and direct solar radiation.
Keep in a cool, well-ventilated place.
Do not keep at temperatures below 5°C.
Do not keep at temperatures above 30°C.
Storage time: 5 years.

7.3 Specific end use(s)

Recommendation
no further

* SECTION 8: Exposure controls/personal protection

* 8.1 Control parameters

* **Occupational exposure limit values**

CAS No	EC No	Substance name	occupational exposure limit value
34590-94-8	252-104-2	(2-Methoxymethylethoxy)-propanol	50 [ml/m³(ppm)] 308 [mg/m³] skin resorptive 2000/39/EC
34590-94-8	252-104-2	(2-Methoxymethylethoxy)propanol	50 [ml/m³(ppm)] 308 [mg/m³] (IE)
34590-94-8	252-104-2	(2-Methoxymethylethoxy)propanol	50 [ml/m³(ppm)] 308 [mg/m³] (UK)

DNEL worker

CAS No	Substance name	DNEL value	DNEL type	Remark
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	6 mg/m³	long-term inhalative (systemic)	Assessment factor 25

* **PNEC**

CAS No	Substance name	PNEC Value	PNEC type	Remark
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	0.268 mg/L	aquatic, freshwater	Assessment factor 1
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	5.6 mg/L	sewage treatment plant (STP)	Assessment factor 10
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	0.24 mg/L	aquatic, freshwater	Assessment factor 5
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	10000 mg/L	sewage treatment plant (STP)	Assessment factor 1

8.2 Exposure controls

Personal protection equipment

Eye/face protection
tightly fitting goggles

Environmental exposure controls

Technical measures to prevent exposure
Avoid penetration into the subsoil/soil.
Do not discharge into surface waters.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state
liquid

Colour
light beige

Odour
mild

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:			(2-methoxymethylethoxy)-propanol: 210 - 600mg/m3 (34 - 97 ppm).
Melting point/freezing point	solidifying range -5 °C		
Boiling point or initial boiling point and boiling range	> 100 °C		
flammability	solid		not applicable
flammability	gaseous		not applicable

	Value	Method	Source, Remark
Lower and upper explosion limit	Upper explosion limit 14 Vol-%		Value of (2-methoxymethylethoxy)-propanol.
Lower and upper explosion limit	Lower explosion limit 1.1 Vol-%		Value of (2-methoxymethylethoxy)-propanol.
Flash point			No flash point up to 100 °C.
Auto-ignition temperature	205 °C		Value of (2-methoxymethylethoxy)-propanol.
Decomposition temperature	≥ 100 °C		
pH	in delivery state 9 (20°C)		
Viscosity	dynamic 53.4 mPa*s (20°C)		
Solubility(ies)	Water solubility		miscible
Partition coefficient n-octanol/water (log value)	0.3 (23°C)		Value of Alcohols, C12-14, ethoxylated, sulfates, sodium salts.
Vapour pressure	23- 24 hPa (20°C)		
Density and/or relative density	1.07 g/cm³		
Relative vapour density	5.12		Value of (2-methoxymethylethoxy)-propanol.
particle characteristics			not applicable (liquid).

9.2 Other information

Information with regard to physical hazard classes

Explosives

Assessment/classification
The mixture does not contain any explosive substances (CLP I 2.1.4.3 a).
CLP I 2.1.4.3 a: The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with explosive properties.

flammable gases

Assessment/classification
not applicable (liquid).

Aerosols

Assessment/classification
not relevant - no aerosol.
The classification criteria for this hazard class are not met by definition.

Oxidising gas

Assessment/classification
not applicable (liquid).

Gases under pressure

Assessment/classification
not applicable (liquid - no dissolved gas).

flammable liquids

Assessment/classification
not flammable, not combustible (No flash point below 100°C).

flammable solids

Assessment/classification
not applicable (liquid).

Self-reactive substances and mixtures

Assessment/classification
The mixture does not contain any self-reactive substances (CLP I 2.8.4.2 a).
CLP I 2.8.4.2 a: There are no chemical groups present in the molecule associated with explosive or self reactive properties.

Pyrophoric liquids

Assessment/classification
The mixture does not contain any pyrophoric substances - not spontaneously flammable (CLP I 2.9.4.1).
CLP I 2.9.4.1: The classification procedure for pyrophoric liquids need not be applied when experience in manufacture or handling shows that the substance or mixture does not ignite spontaneously on coming into contact with air at normal temperatures (i.e. the substance is known to be stable at room temperature for prolonged periods of time (days)).

Pyrophoric solids

Assessment/classification
not applicable (liquid).

self-heating substances and mixtures

Assessment/classification
The mixture does not contain any self-heating substances.

Substances or mixtures which, in contact with water, emit flammable gases

Assessment/classification
not relevant - in contact with water releases no flammable gases (CLP I 2.12.4.1).
CLP I 2.12.4.1: The classification procedure for this class need not be applied if: (a) the chemical structure of the substance or mixture does not contain metals or metalloids; or (b) experience in production or handling shows that the substance or mixture does not react with water, e.g. the substance is manufactured with water or washed with water; or (c) the substance or mixture is known to be soluble in water to form a stable mixture.

Oxidising liquids

Assessment/classification
The mixture does not contain any oxidising substances.

Oxidising solids

Assessment/classification
not applicable (liquid).

Organic peroxides

Assessment/classification
The mixture does not contain any organic peroxides.

Corrosive to metals

Safety characteristics

Value	Method, Result	Source, Remark
		The mixture does not contain any substances corrosive to metals.

Assessment/classification
Based on available data, the classification criteria are not met.

Desensitised explosives

Assessment/classification
The mixture does not contain any desensitised explosive substances.

Other safety characteristics

	Value	Method	Source, Remark
Evaporation rate			Water: 0.36 (ASTM D3539).
Evaporation rate			(2-methoxymethylethoxy)-propanol: ~0.02 (ASTM D3539) / ~400 (DIN 53170).
Solvent content	5- 15 %		
Explosive properties			none
Oxidising properties			none

Other information
No further relevant informations available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known if used as directed.

10.2 Chemical stability

Stable at ambient temperature.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Heat and direct solar radiation.

10.5 Incompatible materials

No hazardous reactions known.

10.6 Hazardous decomposition products

No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method,Evaluation	Source, Remark
Acute oral toxicity	> 5000 mg/kg	ATE: Acute Toxicity Estimate	
Acute dermal toxicity	> 5000 mg/kg	ATE: Acute Toxicity Estimate	
Acute inhalation toxicity	Acute inhalation toxicity (vapour) > 50 mg/L	ATE: Acute Toxicity Estimate	

Assessment/classification
Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant.	OECD 439	

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
slightly irritant but not relevant for classification. Species Rabbit	OECD 405	

Sensitisation to the respiratory tract

Assessment/classification
Based on available data, the classification criteria are not met.

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.		Calculation method.	

Germ cell mutagenicity

Assessment/classification
Based on available data, the classification criteria are not met.

Carcinogenicity

Assessment/classification
Based on available data, the classification criteria are not met.

Reproductive toxicity

Assessment/classification
Based on available data, the classification criteria are not met.

Overall Assessment on CMR properties

The mixture is not classified as mutagen / not classified as carcinogen / not classified as reproductive toxicant.

STOT-single exposure

STOT SE 1 and 2

Assessment/classification
The mixture is not classified as specific target organ toxicant (single exposure).
Based on available data, the classification criteria are not met.

STOT SE 3

Irritation to respiratory tract

Assessment/classification
Based on available data, the classification criteria are not met.

Narcotic effects

Assessment/classification
Based on available data, the classification criteria are not met.

STOT-repeated exposure

Assessment/classification
The mixture is not classified as specific target organ toxicant (repeated exposure).
Based on available data, the classification criteria are not met.

Aspiration hazard

Assessment/classification
The mixture is not classified as aspiration hazardous.
Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Information on other hazards

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			The product does not contain any substances with endocrine-disrupting properties >=0.1%.

Other information

Has degreasing effect on the skin.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 21.2 mg/L	calculated.	
	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид LC50: 5.5 mg/L Species Cyprinus carpio (Common Carp) Test duration 96 h	Regulation (EC) No. 440/2008, Annex C.1	
	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts LC50: 7.1 mg/L Species Danio rerio (zebrafish) Test duration 96 h	OECD 203	
Chronic (long-term) fish toxicity	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид NOEC >0.1- 1 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 72 d		
	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts NOEC 0.14 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d	OECD 204	
Acute (short-term) toxicity to crustacea	EC50 41.4 mg/L	calculated.	

	Effective dose	Method,Evaluation	Source, Remark
	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид EC50 8.8 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts EC50 7.2 mg/L Species Daphnia magna (Big water flea) Test duration 48 h	OECD 202	
Chronic (long-term) toxicity to aquatic invertebrate	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид NOEC >1- 10 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	
	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts NOEC 0.27 mg/L Species Daphnia magna (Big water flea) Test duration 21 d	OECD 211	
Acute (short-term) toxicity to algae and cyanobacteria	EC50 111 mg/L	calculated.	
	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид EC50 25 mg/L Species Scenedesmus subspicatus Test duration 72 h	OECD 201	
	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts EC50 27 mg/L Species Scenedesmus subspicatus Test duration 72 h	OECD 201	

	Effective dose	Method,Evaluation	Source, Remark
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид EC10: 1.5 mg/L Species Desmodesmus subspicatus Test duration 72 h	OECD 201	
	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts NOEC: 0.93 mg/L Species Desmodesmus subspicatus Test duration 72 h	OECD 201	
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

Assessment/classification
Harmful to aquatic life.

12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation	Degradation rate > 90 %	calculated.	DOC reduction Readily biodegradable (according to OECD criteria).
Biodegradation	Degradation rate > 70 % Test duration 28 d	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид
Biodegradation	Degradation rate > 60 % Test duration 28 d	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	реакционен продукт на бензенсулфоновата киселина, 4-C10-13-втор-алкилови производни и бензенсулфоновата киселина, 4-метил- и натриев хидроксид
Biodegradation	Degradation rate > 70 % Test duration 28 d	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Biodegradation	Degradation rate > 60 % Test duration 28 d	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	CAS No68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts
Biodegradation	Degradation rate > 70 % Test duration 28 d	OECD 301E/ EEC 92/69/V, C.4-B	CAS No34590-94-8 (2-methoxymethylethoxy)-propanol

	Value	Method	Source, Remark
Biodegradation	Degradation rate 90- 100 % Test duration 28 d	OECD 302B/ ISO 9888/ EEC 92/69/V, C.9	CAS No34590-94-8 (2-methoxymethylethoxy)-propanol
Biodegradation	Degradation rate > 60 % Test duration 28 d	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	CAS No26027-37-2 Oleic acid monoethanolamide, ethoxylated

12.3 Bioaccumulative potential

Assessment/classification
Oleic acid monoethanolamide, ethoxylated: not available.
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid: Bioaccumulation is improbable.
(2-methoxymethylethoxy)-propanol: Accumulation in organisms is not expected (log Pow: 0.004).
Alcohols, C12-14, ethoxylated, sulfates, sodium salts: Bioaccumulation is improbable.

12.4 Mobility in soil

Assessment/classification
Oleic acid monoethanolamide, ethoxylated: not available.
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid: Adsorption on soil is not expected.
(2-methoxymethylethoxy)-propanol: Dissolves in water. Highly mobile in soil.
Alcohols, C12-14, ethoxylated, sulfates, sodium salts: Dissolves in water. Highly mobile in soil (Koc: 2.2).

12.5 Results of PBT and vPvB assessment

The product does not contain any PBT-/vPvB-substances according to the recipe.

12.6 Endocrine disrupting properties

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			The product does not contain any substances with endocrine-disrupting properties >=0.1%.

12.7 Other adverse effects

	Value	Method	Source, Remark
Ozone depletion potential (ODP):			Based on available data, the classification criteria are not met.

Additional ecotoxicological information

	Value	Method	Source, Remark
Chemical oyxgen demand (COD)	approx. 567 mgO2/g	calculated.	
AOX	6.2 mg/kg	calculated.	The product contains organically bound halogen as per formulation.

Additional information
The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC) No 648/2004 on detergents.
Acute aquatic environmental hazards: Aquatic Acute 3 H402: Harmful to aquatic life.
The mixture is not classified as chronic hazardous to the aquatic environment.
Do not allow uncontrolled discharge of product into the environment.
No further relevant informations available.

* SECTION 13: Disposal considerations

* 13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
200129 *	detergents containing hazardous substances

Waste code packaging	Waste name
150110 *	packaging containing residues of or contaminated by hazardous substances

* **Appropriate disposal / Product**
Do not dispose with household waste. Do not discharge into the drains.
Dispose of waste according to applicable legislation.

Appropriate disposal / Package
Non-contaminated packages may be recycled.

* **Other disposal recommendations**
Application solution / cleaning solution :
Product is allowed to discharge into sewage treatment plants, but in accordance with official regulations.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

none

14.7 Maritime transport in bulk according to IMO instruments

not relevant

Land transport (ADR/RID)

Remark
Not classified for this transport carrier.

Sea transport (IMDG)

Remark
No hazardous material as defined by the prescriptions.

Air transport (ICAO-TI / IATA-DGR)

Remark
No hazardous material as defined by the prescriptions.

* SECTION 15: Regulatory information

* 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

* **EU legislation**

Authorisations
not relevant

Restrictions on use
not relevant

* **Other regulations (EU)**

* **To follow:**
Regulation (EC) No. 648/2004 (Detergents regulation)
Directive 2012/18/EU, Annex I: not mentioned.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC
VOC content, delivery state 6 %

15.2 Chemical Safety Assessment

National regulations

For this mixture a chemical safety assessment were not carried out.

* SECTION 16: Other information

* **Abbreviations and acronyms**
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM: American Society for Testing and Materials
ATE: Acute Toxicity Estimate
AVV: Waste Shipment Ordinance (DE)
DGR: Dangerous Goods Regulations (IATA)
DNEL: derived no-effect level
DOC: Dissolved Organic Carbon
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
OECD: Organisation for Economic Cooperation and Development
PBT: persistent and bioaccumulative and toxic
PNEC: Predicted No Effect Concentration
RID: Dangerous goods regulations for transport by rail
SCL: Specific concentration limit
TI: Technical Instruction
VOC: Volatile organic compounds
vPvB: very persistent, very bioaccumulative
Skin Corr. 1B: Skin corrosion, Sub-category 1B
Skin Irrit. 2: Skin irritation, Category 2
Eye Dam. 1: Serious eye damage, Category 1
Aquatic Chronic 3: Long-term (chronic) aquatic hazard, Category 3

Key literature references and sources for data
Own measurements.
European Chemicals Agency, http://echa.europa.eu/.
Informations from our suppliers.

Additional information
National and local regulations concerning chemicals shall be observed.
These data are given according to our actual knowledge about this product.This data sheet does not correspond to an assurance by virtue of a contract for properties of the product.

Relevant H- and EUH-phrases (Number and full text)

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Indication of changes
* Data changed compared with the previous version